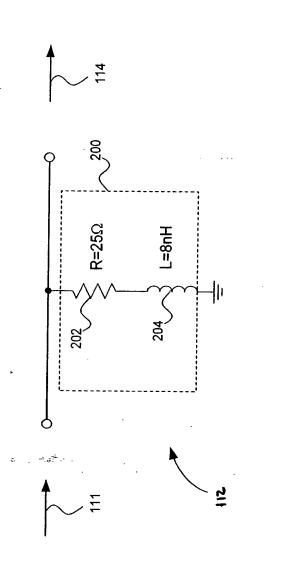


FIG. 1



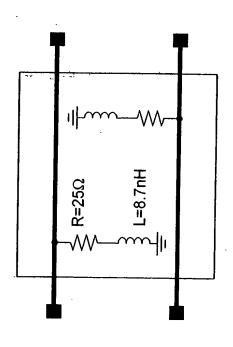


FIG. 3A

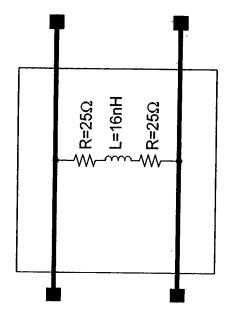


FIG. 3B

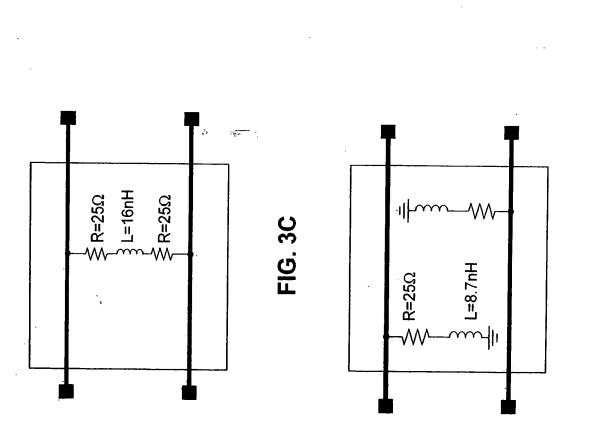


FIG. 3E

L=16nH

R=25Ω

R=25Ω

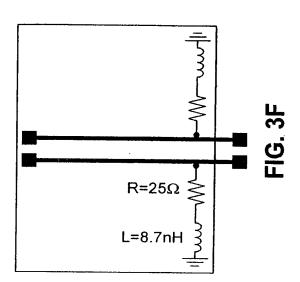
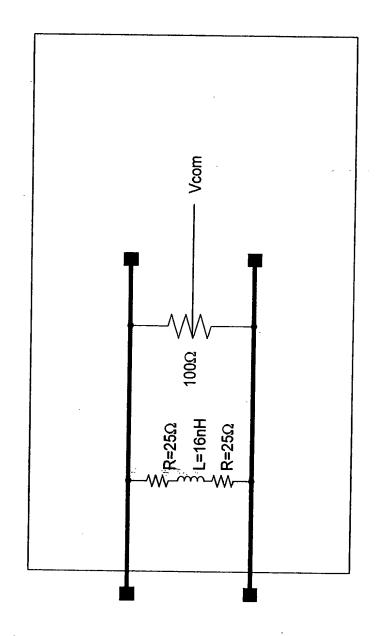


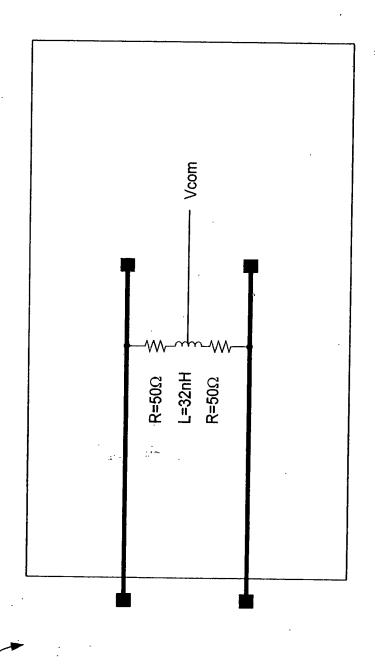
FIG. 3D



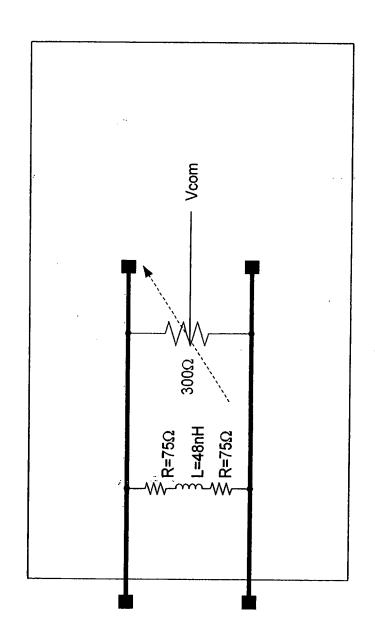


200 ~











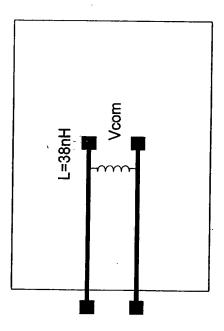
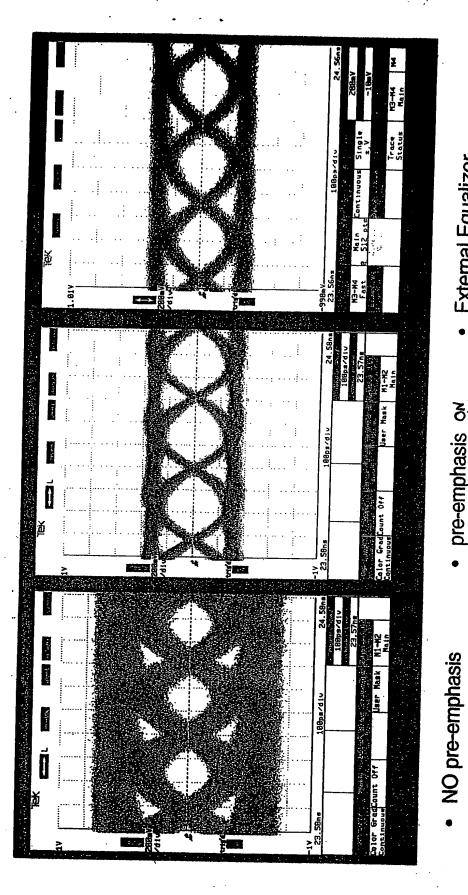


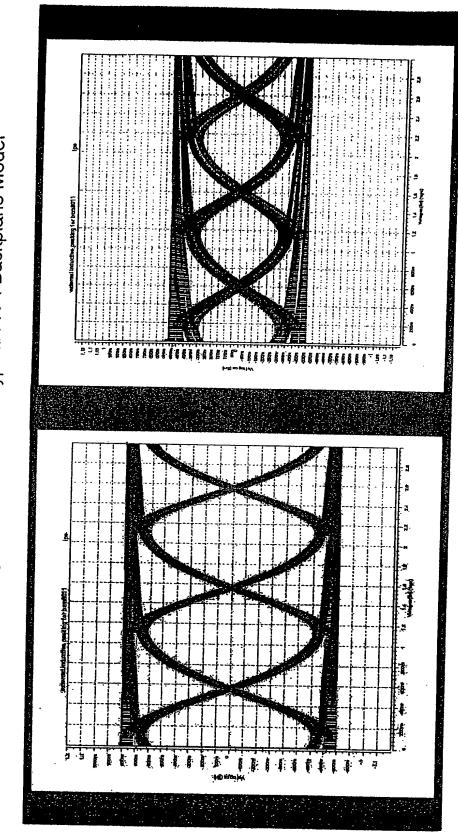
FIG. 5



pre-emphasis on

External Equalizer

Random Eye Diagram @ 3.125 Gb/s "Typical FR-4 Backplane Model"



• L = 12nH R=30Ω

Pre-Emphasis

FIE.7

input signal relative higher frequency of the input signal,

thereby removing distortion caused by the transmission line.

